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ARRL BULLETIN 25 ARLB025
FROM ARRL HEADQUARTERS
NEWINGTON CT MARCH 9, 1993
TO ALL RADIO AMATEURS

SB QST ARL ARLB025
ARLB025 FCC CALL SIGN UPDATE

FCC ISSUED CALL SIGN UPDATE

THE FOLLOWING IS A LIST OF THE FCC'S MOST RECENTLY ISSUED CALL SIGNS
AS OF MARCH 1.

DISTRICT	GROUP A EXTRA	GROUP B ADVANCED	GROUP C TECH/GEN	GROUP D NOVICE
0	AA0LX	KG0DS	N0VRS	KB0LAU
1	AA1FM	KD1NI	N10NN	KB1ASR
2	AA2MV	KF2NG	N2TZR	KB2PZS
3	AA3DP	KE3HF	N3OJS	KB3APW
4	AD4AS	KQ4PC	++	KD4YME
5	AB5LE	KJ5IW	++	KB5YWC
6	AB6RE	KN6HQ	++	KD6YSN
7	AA7UK	KI7KY	++	KB7SXX
8	AA8KH	KF8ZG	N8XKP	KB8ORZ
9	AA9GA	KF9NP	N9SMB	KB9ILH
HAWAII	++	AH6MI	WH6KV	WH6CQF
ALASKA	++	AL7OR	WL7IV	WL7CGQ
PUERTO RICO	++	KP4UX	++	WP4LUV

++ALL CALL SIGNS IN THIS GROUP HAVE BEEN ISSUED IN THIS AREA.
NNNN

Date: 18 Mar 1993 02:15:05 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: BOAT ANCHOR NITE on 10m
To: info-hams@ucsd.edu

> "BOAT ANCHOR NITE"
> 28.310 USB

If you really wanted boat anchors, you wouldn't limit it to USB. Let me
get my DX60 out.

-Ron

Date: Wed, 17 Mar 1993 19:30:19 GMT
From: swrinde!gatech!howland.reston.ans.net!usc!sdd.hp.com!col.hp.com!
news.dtc.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!alanb@network.UCSD.EDU
Subject: Cleaning Air Variable Caps.
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, rtaylor@ux1.cso.uiuc.edu (Roger Taylor) writes:

>You can get some nice roller or tapped inductors at most large hamfests
>rather cheap. A roller inductor does require a turns counting dial which
>is often more expensive for a good one than the inductor.

If you don't need "pretty" consider an ARC-5. These WW-II surplus transmitters still show up at ham flea markets, usually for \$0 - \$5 or so. They include a nice dual-variable cap (VFO tuning) and a roller inductor complete with tuning dial (a plastic window with calibration markings for the moving roller contact.) Rip out the tubes and other circuitry, and they convert into a very servicable antenna tuner.

AL N1AL

Date: Thu, 18 Mar 1993 03:04:48 GMT
From: usc!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!crcnis1.unl.edu!
news.unomaha.edu!nevada.edu!jimi!physics.unr.edu!nimbus!mswmod@network.UCSD.EDU
Subject: Crystal Oscillator Info?
To: info-hams@ucsd.edu

Hi,

Try page 11-5 of the 1993 ARRL Handbook. Best \$25 you can spend.

73s, "Ron" -=KU7Y=-

Date: Thu, 18 Mar 1993 03:29:31 GMT
From: usc!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!crcnis1.unl.edu!
news.unomaha.edu!nevada.edu!jimi!physics.unr.edu!nimbus!mswmod@network.UCSD.EDU
Subject: Crystal Oscillator Info?
To: info-hams@ucsd.edu

Try the 1993 ARRL Handbook. Page 11-5. This book is well worth the \$25 price.

73s, "Ron", KU7Y

Date: Wed, 17 Mar 93 15:13:22 GMT
From: walter!porthos!dancer!whs70@uunet.uu.net
Subject: DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY
To: info-hams@ucsd.edu

In article <103360159@hpfcs0.FC.HP.COM> perry@hpfcs0.FC.HP.COM (Perry Scott) writes:

>> I am desperate to find out if it is legal to own a ham radio
>> that has been modified to TRANSMIT out of band.
>> ie. a Yaesu FT-23R that can be modified to transmit between
>> 140-164 MHz...I think.

>

>It is legal for a ham to own an out-of-band radio because we do
>experimentation.

>

>Think about transverters - what comes out of the radio isn't necessarily
>what goes to the antenna. For example, mix 146MHz with 300+ MHz and you
>are on the 440 band. A common method for generating SSB on VHF/UHF uses
>an opened-up HF rig and a transverter.

>Perry / AA0ET

There is no federal prohibition against ANYONE owning a transmitter that can broadcast on any frequency (except for CB band linear amplifiers). The law prohibits the actual TRANSMITTING (i.e. the use of the transmitter without proper license authorization.)

Some states do have restrictive laws which state something along the following: No person shall have a transmitter capable of transmitting on police, fire, etc. frequencies. Usually that law is only directed at having a transmitter in a vehicle, but some states may prohibit the ownership across the board. Despite those laws, I don't believe (IMHO) they can be used against ownership of any ham equipment which also includes transmit capability outside ham bands. Remember, most older, nondigital equipment could be put on the air for any frequency with little more than a crystal change or a modification to the VFO circuit.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: 17 Mar 93 23:00:05 GMT
From: olivea@gossip.pyramid.com!pyramid!infmtx!seashore!randall@decwrl.dec.com
Subject: Foothill hamfest disappointing
To: info-hams@ucsd.edu

pazar@hpnmdla.sr.hp.com (Steve Pazar) writes:

> Try to keep in mind that hams have VERY diverse interests...some will
> like DX, others digital modes, others EME.

Some of the sellers' don't appear to be interested in much
of anything except selling at hamfests. I don't mind
that some of the pros are there, but it would be nice
to see little guys too.

> The few times my XYL attended
> she really got a kick out of the lady selling jewelry made out of IC's!
> The main reason "joe" doesn't sell out there any more is (1) its too
> expensive, and (2) he doesn't want to get up at 4 AM to guarantee he'll
> get a spot. I was one of those that would go to rid myself of excess
> ham stuff, but for the reasons outlined above I only do so once a year
> sometime in the middle of the season.

I want to reiterate that I had a good time at the Foothill swap, and
I appreciate those who put on the event.

However, if the sellers are primarily professionals, then the
whole point of having a hamfest is diminished in my opinion.
Parts can be obtained at one of many retail outlets, especially
here in the Bay Area. Rigs are plentiful and available at
retail stores or mail-order. You can also park at retail stores.
I like going to the Foothill flea and being around other hams, but it is
so much of a hassle that I doubt I will be going there
much more. I would imagine that many other hams feel the same
way.

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=====

Randall Rhea	Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems	uunet!pyramid!infmtx!randall

Date: 17 Mar 93 14:00:14 EDT

lhurder@arrl.org Prodigy - MGTS39A, BIX - ARRL,
MCI Mail - RPALM, MCI Mail - "ARRL", America On Line - "ARRL HQ"
Compuserve - 70007,3373 (ARRL HQ) -- Genie ARRL.HQ

Date: Thu, 18 Mar 1993 01:21:17 GMT
From: usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!
hpuerca.atl.hp.com!jab@network.UCSD.EDU
Subject: Help on mod to GE Custom Executive
To: info-hams@ucsd.edu

Is is a Custom Executive of Master Executive II?

Plain Exec's were hybrid, with a tube final. Royal Exec's were all
solid state, I believe.

Exec II's are current (non trunking) technology, and share components
with Mstr II's and MVP's. These will definately come down to 2m.

Alan Barrow km4ba | I've seen things you people wouldn't believe. Attack
jab@atl.hp.com | ships on fire off the shoulder of Orion. I watched
| C-beams glitter in the dark near the Tannhauser gate.
...!gatech!kd4nc! | All those moments will be lost in time -
km4ba!alan | like tears in rain. Time to die. Roy Batty

Date: 17 Mar 93 23:11:46 GMT
From: olivea!gossip.pyramid.com!pyramid!infmx!seashore!randall@decwrl.dec.com
Subject: HT antenna gain: relative to what??
To: info-hams@ucsd.edu

kevin.jessup@mixcom.mixcom.com (kevin.jessup) writes:

>I've got a question regarding published specs of antenna gain in
>manufacturer's catalogs of HT antennas: rubber ducks, telescopes,
>whips and the like.
>A gain figure is usually stated. Something like, "This antenna will
>give you 3dB gain over your stock antenna." How in the heck do THEY
>know how good my stock antenna is? How did they come up with these
>3 (and up to 6!) dB gain figures for their products?
>6 dB gain relative to what? A 50 ohm resistor attached to my HT's
>BNC connector?

"dB gain" is supposed to be over a theoretical antenna called

an "isotropic radiator." However, if they're using terms like "over a stock antenna", then it sounds to me like marketing BS.

In general, replacing an HT's rubber duck with a telescopic whip will give you more range, but will also increase problems with spurious signals and intermod. When you get something, you give up something.

73 DE KK6MY

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Randall Rhea	Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems	uunet!pyramid!infmtx!randall

Date: 17 Mar 93 16:28:53 GMT
From: news.mtholyoke.edu!mhc.mtholyoke.edu!pryack@uunet.uu.net
Subject: MFJ 1278 firmware upgrade
To: info-hams@ucsd.edu

Has anybody upgraded to the latest firmware for the MFJ1278? I'd be interested in comments & criticisms. Is it worthwhile to use the free upgrade certificate, or should I wait for the next version?
TNX & 73 de Paul, W1ETH

--

Paul R. Ryack, M.D., M.P.H. |pryack@mhc.mtholyoke.edu
|W1ETH@K1MEA.#WMA.MA.USA.NOAM
There are certain sections of |fax: (413)467-92252-9141
New York, Major, that I wouldn't|
advise you to try and invade. |

Date: Thu, 18 Mar 1993 01:16:31 GMT
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!
jab@decwrl.dec.com
Subject: Motorola Radios Are/Were Tough
To: info-hams@ucsd.edu

I did two way radio work all during college. One local law enforcement Sheriff was evaluating Moto, GE, and RCA. (The main contenders at the time)

He had three radios installed in his trunk. (Micor, Mastr II, V-teck??)

He came back a month later and signed a 200 unit contract to purchase RCA's. His reason, he had not been able to make any of the three fail. (He tried hammers, rough driving, no antenna's, etc.)

He finally filled his trunk with water (via garden hose) and tested them. The Micor blew fuses immediately. The GE Mstr II worked for a while, then TX died (antenna relay). The RCA never failed. He even tried multiple times on separate days. (refilling the trunk)

Solid state switching made the difference.

I preferred the GE, and still do, for a variety of reasons. But these guys used RCA as long as they stayed in the business.

Squad Car trunk mount radios do get beat up, as most carry lots of equipment in the trunk. And they do get water leaks (Or left open during storms) so this **was** an important issue to this guy!

We sold GE & RCA, and serviced Moto-stuff for the City of Atlanta, Ga State, etc. I have seen HT-220's with bullet holes, and one dropped in the sewer.

HT-220's were physically tough, but if you ever had to repair one, it was pure hell. The local Atlanta shops would regularly "steal" anyone who liked working on them from the other shops.

A regular problem was the pc trace lifting after a repair. Many radios that were repaired became "problem radios", and ultimately had to be replaced.

The GE equivalent (PE/PR) used modular hybrids, and was much easier to diagnose and repair. They also seemed to break less. (remember, we had the service contracts, and kept stats on all radios we service.)

I developed a severe dislike for moto-stuff, as I did install/repair/removal as piece work. The moto's had the worst cable schemes (anyone work with Mocom 70 or Motrac) of any system.

Disassembling a Mo* was and is a pain. The GE's are modular, and very easy to repair and tune up.

I think net reliability was about the same, but Moto's were my least favorite to work on!

Alan Barrow km4ba | I've seen things you people wouldn't believe. Attack

jab@atl.hp.com | ships on fire off the shoulder of Orion. I watched
| C-beams glitter in the dark near the Tannhauser gate.
...!gatech!kd4nc! | All those moments will be lost in time -
km4ba!alan | like tears in rain. Time to die. Roy Batty

Date: 18 Mar 1993 02:20:45 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: Motorola Radios Are/Were Tough
To: info-hams@ucsd.edu

> I think some of their HT's already have DTMF pads, so all that
> would be necessary is changing from a xtal control to a synthesizer.

They're already synthesized, it's just that the user can't change the
frequency.

-Ron

Date: Wed, 17 Mar 1993 23:39:41 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!wupost!
csus.edu!netcom.com!crisp@network.UCSD.EDU
Subject: Universal M8000 for sale
To: info-hams@ucsd.edu

I would like to sell my Universal M8000 all mode RTTY decoder. It is version
1.07 which is the newest ROM to my knowledge. I bought it new in October
and am finding that I have too much RTTY stuff now so I will let it go`
for \$1000. I will throw in the cables which allow it to connect to
two HF/VHF receivers too as well as the scramble cable for the RS232 interface.

This is the one that will decode digital pagers and Piccolo in case you
are interested.

It will also do a much superior job on Fax than the M7000 series as the
VGA monitor is put to really good use in this puppy! It also has a set
of nice tuning aids built in including a spectral analysis and cross
pattern both displayed on the monitor. It is a really nice unit, but
alas, I can no longer afford to keep it.

Compare at Universal for nearly \$1200.

You will need a VGA monitor too but will throw mine in for an extra \$100.

Richard Crisp Cupertino, Ca. crisp@netcom.com
(415) 903-3832 wk (408) 253 4541 fax
"When I make a joke, no one gets hurt; when Congress makes a joke, it becomes law"
 -Will Rogers

That doesn't explain it. All the numbers have unique Signal Corps pronunciations:

Nothing drives me nuts more than to hear someone say Fiver.

Date: Wed, 17 Mar 1993 23:22:22 GMT
From: swrinde!emory!wa4mei!ke4zv!gary@network.UCSD.EDU
Subject: Yaesu FT-530 vs. TH-28A
To: info-hams@ucsd.edu

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>:
>: Is there any 2m/440 HT that doesn't have those problems?
>:
>
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>
>How about an internal bandpass filter that's switched in when you're in
>the ham bands and switched out otherwise? Might not add much to the
>cost of these rigs and would make them much more usable in urban
>environments. Or, on those HT amplifiers, substituting a bandpass
>filter that can be switched in or out for the pre-amp that many of them

>have...

Now that's a great idea Paul. Somebody could make a bundle marketing an HT amp with selective filters. Somehow that seems to go right along with a no tune radio and a separate tuner box. Do I detect a trend? :-(

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 18 Mar 1993 02:11:06 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: Yaesu FT-530 vs. TH-28A
To: info-hams@ucsd.edu

> the FT-470 was decent for a dual-bander.

Actually, for intermod problems the FT470 is WORSE than most other dual banders.

-Ron

Date: Wed, 17 Mar 1993 20:54:50 GMT
From: usc!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!law7!jra@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Mar16.185802.6546@netnews.louisville.edu>,
<114109@netnews.upenn.edu>, <1993Mar17.151700.26875@netnews.louisville.edu>
Subject : Re: Dayton Hamvention Information

harpe@netnews.louisville.edu (Mike Harpe) writes:

>Interesting. The reason I asked was that someone said that Hara was being
>leveled to build a subdivision or golf course....weird...any Dayton natives
>out there that know The Full Story....??

This rumour has been around for a couple of years at least. I believe it is an urban legend in the making, probably based on some development that's gone on around Hara -- I believe the field (not owned by the Arena) that used to be used for parking behind the flea market has been

sold for development.

Unfortunately, since moving to Dayton I've missed more Hamventions that before I came here, so I don't have firsthand knowledge of what's actually been developed out there.

But I can say, based on conversations with DARA officers, that there's no imminent move from Hara in the works.

--

John R. Ackermann, Jr.	Law Department, NCR Corporation, Dayton, Ohio
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End of Info-Hams Digest V93 #338
